

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN MAY 2004

On a daily average basis in May 2004, estimated consumption of iron and steel scrap was down 3% and net receipts of purchased and home scrap were down 3% compared with those of April 2004, according to the U.S. Geological Survey. Production of home scrap was down 7% and stocks of purchased and home scrap at the end of the month were about the same. These observations are based upon responses from 44% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 37% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was down 3% and consumption was up 3% compared with those of April 2004. Stocks of pig iron at month's end were down 9% compared with those of April 2004.

Exports of iron and steel scrap for the month of April 2004 increased 10% from those of March 2004. Republic of Korea was the leading country of destination, accounting for 29% of the total tonnage of exports, followed by China with 25% and Mexico with 15% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 16% of the total, followed by Boston, MA, with 14% and San Francisco, CA, with 13% (table 7).

Imports of iron and steel scrap for April 2004 decreased 21% compared with those of March 2004. Canada was the leading country of origin, accounting for 56% of the total tonnage of imports, followed by the United Kingdom with 18% and Sweden with 12% (table 9). Detroit, MI, was the leading Customs district for tonnage of imports, accounting for 30% of the total, followed by Charleston, SC, with 28% and Seattle, WA, with 14% (table 10).

The daily average domestic raw steel production for May 2004, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 268,000 metric tons (t), about the same as in April 2004 and up 11% from 243,000 t in May 2003 (table 12). The electric furnace portion of raw steel production for May 2004 was 55%, up from 52% in April 2004 and up from 52% May 2003.

Raw steel capability utilization (AISI data) in May 2004 was 93%, down from 94% of April 2004 and up from 81% of May 2003 (table 12). Continuous cast steel production in the United States accounted for 98% of total raw steel production in May 2004, up from 97% in April 2004 and up from 97% in May 2003.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS²

(Thousand metric tons)

	May 2004			Year to date ^p		
	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,130	2,500	3,620	5,720	12,400	18,100
Receipts from other own company plants	W	W	165	W	W	841
Production recirculating scrap	613	313	926	3,120	1,670	4,790
Production obsolete scrap	10	27	37	62	134	196
Consumption (by type of furnace):						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,220	W	W	6,090
Electric furnace	W	W	3,470	W	W	17,300
Other (including air furnace) ⁶	(5)	--	(5)	(5)	--	(5)
Total consumption	1,710	2,910	4,620	8,680	14,600	23,300
Shipments	100	7	107	483	28	511
Stocks end of month	2,080	1,900	3,980	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	556	123	679	2,810	591	3,400
Production	W	W	2,670	W	W	13,200
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,290	W	W	16,300
Direct castings ⁷	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	3,200	95	3,290	15,700	496	16,200
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	291	XX	XX	XX
Direct-reduced iron:⁹						
Receipts	73	7	80	399	84	483
Production	W	--	W	--	--	--
Total consumption	80	19	99	454	139	593
Shipments	--	--	--	--	--	--
Stocks end of month	108	32	140	XX	XX	XX

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings. May 2004 data are based on returns from 44% of monthly respondents, representing 37% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³Includes data for electric furnaces operated by integrated steel producers.

⁴Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

⁵Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Withheld to avoid disclosing company proprietary data.

⁹Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS¹2

(Thousand metric tons)

Item	May 2004				Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Carbon steel:							
Low-phosphorus plate and punchings	32	W	64	128	155	W	305
Cut structural and plate	371	65	423	267	1,940	359	2,250
No. 1 heavy melting steel	411	172	592	489	2,110	842	2,900
No. 2 heavy melting steel	476	35	526	459	2,420	174	2,650
No. 1 and electric furnace bundles	390	W	548	275	1,870	W	2,580
No. 2 and all other bundles	66	W	73	40	359	W	374
Electric furnace 1 foot and under (not bundles)	(4)	W	W	W	(4)	W	W
Railroad rails	24	W	25	23	115	W	128
Turnings and borings	162	4	190	77	810	25	924
Slag scrap	65	125	165	148	370	611	863
Shredded and fragmentized	777	W	877	536	3,890	W	4,430
No. 1 busheling	408	8	400	216	2,000	61	2,010
Steel cans (post consumer)	22	W	26	W	111	W	133
All other carbon steel scrap	163	184	366	254	767	935	1,790
Stainless steel scrap	78	20	104	36	366	99	487
Alloy steel scrap	11	16	26	23	56	195	244
Ingot mold and stool scrap	W	7	5	15	W	34	23
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	10	W	8	9	112	W	105
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	75	33	86	343	221	172	439
Other mixed scrap	80	29	108	559	433	141	576
Total	3,620	926	4,620	3,980	1,810	4,790	23,300

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

⁴Less than 1/2 unit.

TABLE 3
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,
 BY REGION AND STATE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Region and State	May 2004			Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	410	632	335	2,060	875	3,090
North Central:						
Illinois and Indiana	374	316	684	1,940	1,580	3,410
Iowa, Minnesota, Nebraska, Wisconsin	240	5	240	1,220	25	1,200
Michigan	168	90	224	874	408	1,110
Ohio	461	103	587	2,390	602	2,970
Total	1,240	513	1,740	6,420	2,610	8,690
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	250	54	277	1,070	349	1,400
Florida, Georgia, North Carolina, South Carolina	279	18	320	1,430	91	1,620
Total	528	72	598	2,500	440	3,030
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	374	41	427	2,130	236	2,380
Arkansas, Louisiana, Oklahoma, Texas	722	66	825	3,330	322	4,130
Total	1,100	107	1,250	5,460	558	6,510
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	345	61	403	1,670	303	1,950
Grand total	3,620	1,390	4,320	18,100	4,790	23,300

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3,4}

(Thousand metric tons)

Item	May 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	4	W	6	8	70	22	W	30	30
Cut structural and plate	43	133	87	99	29	232	669	456	462	147
No. 1 heavy melting steel	43	107	40	170	54	218	580	203	859	257
No. 2 heavy melting steel	8	177	73	168	51	38	960	342	827	256
No. 1 and electric furnace bundles	29	276	25	60	10	152	1,310	114	258	48
No. 2 and all other bundles	7	26	5	19	11	37	150	28	89	56
Electric furnace 1 foot and under (not bundles)	--	(5)	--	--	--	--	2	--	--	--
Railroad rails	W	W	1	15	W	W	W	3	68	W
Turnings and borings	26	44	20	70	7	122	232	101	325	34
Slag scrap	18	21	2	23	W	92	142	10	121	W
Shredded and fragmentized	44	162	181	356	100	236	802	943	1,470	502
No. 1 busheling	50	172	21	187	6	252	838	103	800	30
Steel cans (post consumer)	4	W	W	W	W	18	W	W	W	W
All other carbon steel scrap	40	77	14	31	W	199	351	55	156	W
Stainless steel scrap	68	10	--	--	--	308	58	--	--	--
Alloy steel scrap	7	W	--	W	--	36	W	--	W	--
Ingot mold and stool scrap	--	W	--	--	--	(5)	--	--	--	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	--	W	--
Cast iron borings	W	W	W	10	--	W	W	W	41	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	20	W	1	W	W	W	W	3	W
Other mixed scrap	W	W	3	13	W	W	W	22	67	W
Total	410	1,250	528	1,230	345	2,060	6,430	2,500	5,590	1,670

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Scrap received from brokers, dealers, and other outside sources.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Data are rounded to no more than three significant digits; may not add to totals shown.

⁵Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3}

(Thousand metric tons)

Item	May 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	33	W	W	10	72	164	W	W	34
Cut structural and plate	68	140	107	99	28	343	705	598	480	141
No. 1 heavy melting steel	83	152	47	213	92	413	733	216	1,090	441
No. 2 heavy melting steel	14	190	72	197	52	72	992	356	968	261
No. 1 and electric furnace bundles	39	406	39	66	9	189	1,930	112	307	47
No. 2 and all other bundles	9	30	4	20	12	43	150	26	98	60
Electric furnace 1 foot and under (not bundles)	--	9	--	--	--	--	53	--	--	--
Railroad rails	W	W	1	13	W	23	W	3	68	W
Turnings and borings	34	56	23	71	8	151	280	113	346	36
Slag scrap	29	81	10	52	W	147	396	74	251	W
Shredded and fragmentized	81	163	201	361	107	410	780	1,040	1,710	537
No. 1 busheling	56	171	22	176	7	268	832	115	796	35
Steel cans (post consumer)	5	W	4	W	W	28	W	W	W	W
All other carbon steel scrap	73	183	47	59	W	348	868	232	323	W
Stainless steel scrap	81	23	--	--	--	381	106	--	--	--
Alloy steel scrap	18	6	--	W	--	91	142	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	17	5	--	2	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	--	W	--
Cast iron borings	W	W	W	7	--	W	W	W	39	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	52	W	2	W	W	254	W	14	W
Other mixed scrap	W	20	4	12	W	W	147	27	75	W
Total	632	1,730	598	1,360	403	3,090	8,680	3,030	6,620	1,950

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Region and country	April 2004		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Aruba	--	--	1	76
Bahamas	(3)	61	(3)	61
Belize	--	--	(3)	84
Brazil	(3)	89	1	429
Canada	134	18,800	490	72,000
Chile	1	36	2	117
Colombia	(3)	32	(3)	139
Dominican Republic	(3)	11	1	642
El Salvador	1	83	1	83
Guatemala	--	--	25	4,240
Guyana	--	--	(3)	56
Mexico	162	32,200	417	85,800
Peru	31	7,350	63	12,000
Suriname	(3)	62	(3)	104
Turks and Caicos Islands	(3)	36	2	178
Venezuela	(3)	19	(3)	79
Other	2	30	3	194
Total	331	58,800	1,010	176,000
Africa, Europe, Middle East:				
Belgium	(3)	92	(3)	316
Finland	--	--	18	24,200
Germany	1	361	2	1,130
Ireland	(3)	26	(3)	69
Israel	(3)	7	(3)	78
Kenya	1	1,050	15	7,560
Netherlands	(3)	170	2	1,100
Portugal	6	1,460	17	2,680
Saudi Arabia	(3)	51	(3)	51
Senegal	(3)	220	(3)	220
Spain	(3)	39	(3)	86
Sweden	(3)	175	(3)	573
Switzerland	(3)	257	1	387
Turkey	(3)	8	147	23,100
United Arab Emirates	(3)	54	1	264
United Kingdom	1	943	2	1,410
Other	2	47	2	205
Total	11	4,960	207	63,500
Asia, Australia, Oceania:				
China	269	75,900	1,290	319,000
Hong Kong	12	5,390	28	12,300
India	49	13,100	62	20,100
Indonesia	1	289	2	808
Japan	9	3,280	29	17,300
Korea, Republic of	303	77,800	698	193,000
Malaysia	1	223	56	10,100
Pakistan	2	179	2	392
Singapore	1	92	1	298
Taiwan	34	10,500	60	29,800
Thailand	32	7,860	159	26,000
Vietnam	7	907	8	1,690
Other	(3)	18	(3)	165
Total	717	195,000	2,400	631,000
Grand total	1,060	259,000	3,610	871,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND SELECTED CUSTOMS DISTRICT^{1,2,3}

(Thousand metric tons and thousand dollars)

Region and customs district	April 2004		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	6	2,160	29	8,070
Chicago, IL	2	255	5	846
Detroit, MI	26	4,400	119	18,500
Duluth, MN	5	793	20	2,570
Ogdensburg, NY	2	524	14	3,560
Pembina, ND	57	7,040	184	24,900
Other ⁴	1	192	4	718
Total	100	15,400	375	59,200
East Coast:				
Baltimore, MD	2	655	7	3,050
Boston, MA	144	29,200	331	57,000
Charleston, SC	3	1,710	13	6,190
Miami, FL	6	1,600	15	5,490
New York, NY	117	31,000	527	134,000
Norfolk, VA	36	6,090	85	17,200
Philadelphia, PA	59	11,200	171	30,100
Portland, ME	1	94	87	14,600
Savannah, GA	6	3,980	19	12,400
St. Albans, VT	3	552	12	2,450
Wilmington, NC	2	557	7	2,030
Other	31	3,560	107	12,400
Total	408	90,300	1,380	296,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	9	12,200	41	37,100
Laredo, TX	92	18,900	191	38,200
Mobile, AL	1	83	3	3,930
New Orleans, LA	1	1,030	14	19,500
Nogales, AZ	4	500	7	855
San Juan, PR	15	3,090	34	6,090
Tampa, FL	46	9,440	142	25,000
Other	(5)	75	1	212
Total	168	45,300	432	131,000
West Coast and Hawaii:				
Columbia-Snake, OR	6	1,910	105	21,200
Honolulu, HI and Anchorage, AK	24	5,120	57	12,000
Los Angeles, CA	169	55,400	610	196,000
San Diego, CA	24	3,300	55	8,890
San Francisco, CA	135	33,600	422	95,100
Seattle, WA	23	8,880	172	51,800
Total	381	108,000	1,420	385,000
Grand total	1,060	259,000	3,610	871,000

¹Re-export activity for April 2004 amounted to 785 metric tons valued at \$496,000.

²Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

³Data are rounded to no more than three significant digits; may not add to totals shown.

⁴Includes Code 70, which is for low-valued exports from the United States to Canada.

⁵Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	April 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	151	29,500	563	95,100
No. 2 heavy melting steel	50	10,200	128	23,000
No. 1 bundles	33	4,260	98	13,900
No. 2 bundles	10	2,390	12	2,700
Shredded steel scrap	389	79,300	1,260	229,000
Borings, shovelings and turnings	23	2,050	71	6,830
Cut plate and structural	47	8,290	142	32,800
Tinned iron or steel	14	1,640	37	6,850
Remelting scrap ingots	(3)	348	2	2,570
Cast iron	55	12,400	334	68,000
Other iron and steel	121	23,600	447	88,400
Total carbon steel and cast iron	894	174,000	3,100	569,000
Stainless steel	35	41,200	152	170,000
Other alloy steel	129	44,000	362	133,000
Total stainless and alloy steel	165	85,200	513	302,000
Total carbon, stainless, alloy steel and cast iron	1,060	259,000	3,610	871,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	16	2,620
Used rails for rerolling and other uses	2	743	9	3,500
Total scrap exports	1,060	260,000	3,640	877,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(3)	97	2	505
Pig iron > 0.5% phosphorus	--	--	10	912
Alloy pig iron	(3)	4	(3)	74
Total pig iron	(3)	101	13	1,490
Direct-reduced iron (DRI)	(3)	19	(3)	33
Spongy iron products, not DRI	(3)	122	1	594
Granules for abrasive cleaning and other uses	3	1,970	9	6,500
Powders of alloy steel	1	1,360	4	5,010
Other ferrous powders	4	5,280	17	21,800
Total DRI, granules, powders	8	8,740	31	33,900
Grand total	1,070	269,000	3,680	913,000

-- Zero

¹Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Country	April 2004		Year to date	
	Quantity	Value	Quantity	Value
Argentina	(3)	43	(3)	476
Bahamas, The	1	30	2	95
Belgium	1	7,040	1	7,050
Canada	211	47,600	800	183,000
Colombia	(3)	270	1	850
Denmark	29	7,660	51	11,200
Dominican Republic	8	2,060	19	4,370
Ecuador	(3)	43	(3)	252
Germany	(3)	93	3	428
Japan	(3)	144	1	415
Mexico	12	5,960	51	24,700
Sweden	44	9,940	157	32,400
United Kingdom	67	18,300	382	88,000
Venezuela	(3)	410	7	6,430
Other	1	280	58	21,700
Total	374	99,900	1,530	381,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Customs district	April 2004		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	27	11,300	125	53,100
Charleston, SC	107	26,800	459	97,800
Detroit, MI	114	22,900	369	74,600
El Paso, TX	4	1,500	16	4,060
Great Falls, MT	4	547	8	1,200
Mobile, AL	8	1,900	36	10,600
New Orleans, LA	35	16,200	266	75,600
Pembina, ND	6	1,900	16	5,540
San Diego, CA	4	1,110	17	3,300
Seattle, WA	53	7,150	172	22,100
Other	13	8,620	50	33,300
Total	374	99,900	1,530	381,000

¹Revised; unspecified group of customs districts differs from that in the previous report.

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE^{1, 2}

(Thousand metric tons and thousand dollars)

Item	April 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	4	465	63	8,310
No. 2 heavy melting steel	3	405	11	1,550
No. 1 bundles	35	6,420	116	22,500
No. 2 bundles	(3)	2	1	95
Shredded steel scrap	112	27,100	516	106,000
Borings, shovelings and turnings	2	156	4	317
Cut plate and structural	15	2,750	50	8,180
Tinned iron or steel	1	189	3	760
Remelting scrap ingots	--	--	(3)	97
Cast iron	26	4,490	103	17,100
Other iron and steel	142	36,500	523	113,000
Total carbon steel and cast iron	338	78,500	1,390	278,000
Stainless steel	12	14,200	60	73,200
Other alloy steel	24	7,210	84	30,400
Total stainless and alloy steel	36	21,400	144	104,000
Total carbon, stainless, alloy steel and cast iron	374	99,900	1,530	381,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	1	3,030	23	6,300
Total scrap imports	375	103,000	1,560	387,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	279	55,700	1,260	242,000
Pig iron > 0.5% phosphorus	--	--	29	5,620
Alloy pig iron	--	--	--	--
Total pig iron	279	55,700	1,290	247,000
Direct-reduced iron (DRI)	162	21,200	774	107,000
Spongy iron products, not DRI	(3)	51	(3)	317
Granules for abrasive cleaning and other uses	2	970	6	3,280
Powders of alloy steel	5	4,950	19	17,400
Other ferrous powders	5	5,430	17	19,400
Total DRI, granules, powders	175	32,600	816	148,000
Grand total	829	191,000	3,660	783,000

-- Zero.

¹Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date ²	Monthly	Year to date	Monthly	Year to date
2003:						
February	7,420	15,200	87.3	85.1	95.3	95.4
March	8,000	23,200	85.0	84.9	96.8	96.8
April	7,890	31,100	87.8	85.7	97.1	96.9
May	7,520	38,600	81.1	84.7	97.1	97.0
June	7,740	46,400	86.2	85.3	97.0	97.3
July	7,410	53,800	78.9	84.3	97.2	97.3
August	7,340	61,100	78.3	83.5	97.2	97.3
September	7,280	68,400	80.7	83.2	96.7	97.2
October	7,720	76,100	82.8	83.3	97.0	97.3
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1
2004:						
January	7,850	7,850	88.0	88.0	96.9	96.9
February	7,620	15,400	90.9	88.9	97.0	97.0
March	8,410	23,800	93.7	90.4	96.9	96.9
April	8,080	31,900	93.9	91.1	96.9	96.9
May	8,310	40,200	92.9	91.5	97.7	97.1

¹Data are rounded to no more than three significant digits.

²Includes revisions for previous months.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
2003:						
May	109.04	107.32	107.38	105.68	NA	NA
June	106.13	104.45	104.57	102.92	NA	NA
July	111.21	109.45	109.63	107.89	NA	NA
August	123.32	121.37	119.17	117.29	NA	NA
September	128.35	126.32	125.83	123.85	NA	NA
October	130.67	128.61	127.92	125.89	163.07	190.69
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38
Average	84.39	83.05	82.61	81.30	180.99	178.13
2004:						
January	177.47	174.67	179.84	176.99	240.78	236.98
February	224.09	220.55	222.50	218.99	240.78	236.98
March	250.05	246.1	238.13	234.37	NA	NA
April	208.76	205.46	201.33	198.15	NA	NA
May	170.55	167.86	161.25	158.70	NA	NA

NA Not available.

Note: Long tons = lt; metric tons = t.